

APPLICANTS: Harth Yoram
SERIAL NO.: 09/756,130
FILED: January 9, 2001
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Please replace the paragraph beginning at page 19, line 17 with the following paragraph.

AS
-- Bacterial growth and illumination – *Propionibacterium acnes* was transferred from the bacterial stock into Reinforced Clostridial Agar Plates. Bacteria were streaked on the plates for isolation of single colonies by the “clock plate technique”. These plates were called “Start plates” and were incubated for three days under aerobic conditions in an anaerobic jar. The jar contained Aero Gen sachets from Oxoid, England to maintain anaerobic conditions suitable for *P. acnes*.--

In the Claims:

✓✓✓✓✓✓
Please cancel claims 4, 8, 10-14 and 21- 36 without disclaimer or prejudice.

Please amend claims 1, 2, 5, 6, 7, 15, 17, 18 and 20 as follows.

sub 1
A 9
1. (Once amended) An apparatus for treatment of a skin disorder, the apparatus comprising:

(a) at least one light source with spectral emittance concentrated in at least one specific narrow spectral band, wherein an illumination energy of said light source is higher than a predetermined threshold level and wherein ^{said} one spectral band is in the range of 405 to 440 nm;

(b) an optical system configured to collect and ^{shape} ~~shaping~~ light emitted from said at least one light source; and

(c) an electronic unit configured to issue control parameters associated with said spectral emittance from said at least one light source.

2. (Once amended) The apparatus of claim 1, wherein said parameters are selected from the ^(a) group consisting of duration, power and emitted spectral bands of said light source emittance.

A10
5. (Once amended) The apparatus as in claim 1, wherein said threshold level is a level required for biological destruction of acne and seborrhea causing factors.

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Cont sub B2
A10

6. (Once amended) The apparatus of claim 1, wherein said illumination energy threshold level of said light source having a power density of at least 40 mw/cm² at a distance of 30 cm from said light source.

7. (Once amended) The apparatus of claim 1, wherein the illuminated area on a skin is at least 200cm² when illuminating from a fixed position from said skin. *ante*

A11
sub B3

15. (Once amended) The apparatus of claim 1, further comprising:

at least one optical element *selected from the group consisting of* a group consisting of a liquid filled light guide, a solid transparent light guide, a fiber bundle light guide and an array of lenses and mirrors, for collecting and conducting the said light source radiation and illuminating a skin area at an adjustable distance, energy density and direction. *ante*

A12

17. (Once amended) The apparatus of claim 1, wherein said at least one light source is an Ion Krypton gas laser with a spectral emission in the range 405 to 440nm.

sub B4

18. (Once amended) The apparatus of claim 1, wherein the light of said at least one light source is collected and further projected by at least one reflector, wherein said reflector is selected from the group consisting of an elliptical cross-section cylindrical reflector, parabolic cross-section cylindrical reflector, and an asymmetric aspheric reflector.

A13

20. (Once amended) The apparatus of claim 18, wherein the light of said at least one light source is collected by an elliptical cross-section reflector having a first focal point and a second focal point.

Please add new claims 21-29.

A14

3721. (New) The apparatus of claim 1, further comprising an integrated computer module for accumulating the number and position information of affected skin spots and areas and further process and display said information.

3823. (New) The apparatus of claim ³⁷21 further comprising a display unit for displaying an imaged illumination treated area

3924. (New) The apparatus of claim ³⁸23 wherein said display unit comprises a touch screen unit.

Rule 126

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402~~6~~. (New) The apparatus of claim 1, wherein said at least one light source is a diode wherein said diode is selected from the group consisting of violet/blue laser diodes, and light emitting diodes (LED) with narrow spectral band emission in the range 405-440nm.

412~~6~~. (New) The apparatus of claim 1, wherein said at least one light source is an array of diodes wherein said diodes are selected from the group consisting of violet/blue emission LED and laser diodes, and light emitting diodes (LED) and laser diodes with spectral band emission in the red and green range.

422~~1~~. (New) The apparatus of claim 1, wherein said at least one light source is any combination of Gallium, Mercury and halides gas mixture discharge lamp, ion Krypton gas laser, diode, and array of diodes.

432~~8~~. (New) The apparatus of claim ⁴²~~27~~, wherein said combination has spectral band emission selected from spectral bands consisting of violet/blue, green and red.

5636 → 442~~9~~. (New) The apparatus of claim 1, wherein the illuminated area on a skin is 200cm² when illuminating from a distance of 40cm from said skin and said illuminated area size is controlled by changing the distance of illumination.